

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NZ2003/000279

| A. CLASSIFICATION OF SUBJECT MATTER | | |
|---|---|--|
| Int. Cl. ⁷ : G01N 22/04, 33/12, G01K 11/06, 13/10, A23B 4/06, 4/07 | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED | | |
| Minimum documentation searched (classification system followed by classification symbols) | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) FWPI: /ic g01n-022 or g01n-023 or g01n-021 or g01k, freez+ or frozen or thaw+ or melt+ or molten or frost+ or defrost+ or chill+ or cool+ or cold+ or ice, microwav+ or radiofrequen+ or radiowav+ or (radio (w) wav+) or electromagnetic or radiation, measur+ or detect+ or determin+, absor+ or transmi+ or attenuat+, (antenna+ or aerial+ or transmitter? or receiver? or emitter? or detector?) (s) (touch+ or contact+ or proxim+ or abut+ or adjacent+), opposite | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | WO 1998/001747 A1 (REED) 15 January 1998 Whole document | 1-4,10-20 |
| X | Patent Abstracts of Japan, JP 59-176655 A (HITACHI HEATING APPLIANCE CO LTD) Abstract; drawing | 1-4,17-20 |
| X | GB 1114157 A (ASSOCIATED ELECTRICAL INDUSTRIES LIMITED) 15 May 1968 Whole document | 1-4,10-20 |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex | | |
| <p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> | | |
| Date of the actual completion of the international search 14 April 2004 | | Date of mailing of the international search report 19 APR 2004 |
| Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929 | | Authorized officer RAJEEV DESHMUKH Telephone No : (02) 6283 2145 |

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | KUPFER, "Mikrowellenfeuchtmeßgeräte und ihr Einsatz in der Prozeßtechnik", Technische Messen, vol. 61, no. 11, November 1994, pages 409-420 Page 413-415; Figures 4-5 | 1-4,10-20 |
| X | WO 1991/002966 A1 (COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION) 7 March 1991 Abstract; Figure 5 | 1-4,10-20 |
| X | GB 2297846 A (MMC SPACE SYSTEMS LIMITED) 14 August 1996 Page 9, line 4-page 10, line 15; Figures 1-2; Claims | 1-4,10-20 |
| X | US 5845529 A (MOSHE et al.) 8 December 1998 Claims; Column 1, lines 54-61; Figure 7A | 1-4,10-20 |
| X | US 5871397 A (NELSON et al.) 16 February 1999 Claim 1; Figure 1 | 1-4,10-20 |
| X | GB 2359630 A (THOMPSON et al.) 29 August 2001 Whole document | 1-4,10-20 |
| X | GB 2185311 A (FILTROL CORPORATION) 15 July 1987 Claims; Page 2, lines 17-44; Figure 1 | 1-4,10-20 |
| X | US 4131845 A (PAKULIS) 26 December 1978 Claims; Figures 1-2 | 1-4,17-20 |
| X | US 4727311 A (WALKER) 23 February 1988 Column 6, lines 18-38; Claims | 1-4,10-20 |
| X | DD 203398 A (WEBER et al.) 19 October 1983 Claims; Figure | 1-4,10-20 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2003/000279

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | Patent Family Member | | | |
|---|----------|----------------------|----------|----|----------|
| WO | 9801747 | AU | 34515/97 | GB | 2319087 |
| JP | 59176655 | | | | |
| GB | 1114157 | | | | |
| WO | 9102966 | AU | 61689/90 | CA | 2063717 |
| | | US | 5333493 | EP | 0487582 |
| GB | 2297846 | | | | |
| US | 5845529 | AU | 15909/99 | AU | 49334/97 |
| | | AU | 59038/98 | BR | 9912701 |
| | | EP | 0756170 | EP | 0950177 |
| | | EP | 1116041 | US | 5621330 |
| | | US | 6107809 | WO | 0009983 |
| | | WO | 9927353 | WO | 9829729 |
| US | 5871397 | US | 5934997 | | |
| GB | 2359630 | | | | |
| GB | 2185311 | CA | 1265875 | DE | 3700751 |
| US | 4131845 | US | 4825077 | | |
| US | 4727311 | US | 4962384 | | |
| DD | 203398 | | | | |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. | | | | | |
| END OF ANNEX | | | | | |